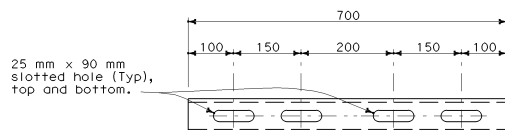


EXPANSION SLEEVE DETAIL

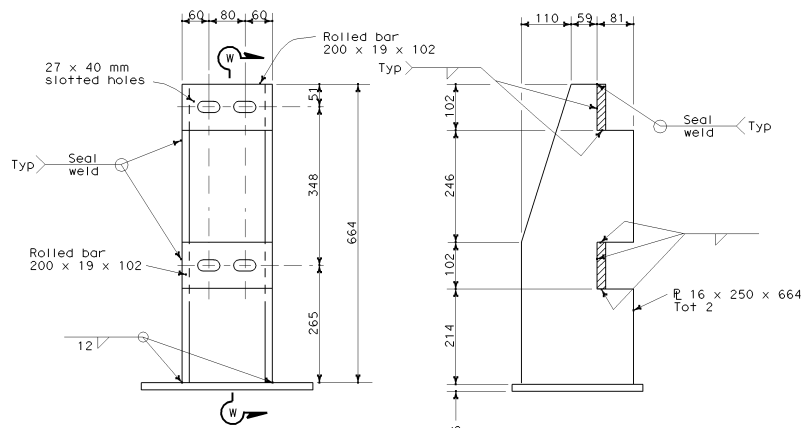


TS 178 x 76 x 7.9

SECTION SLEEVE



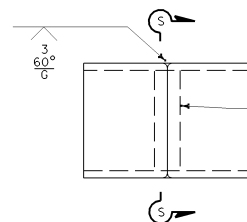
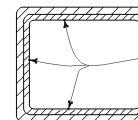
STANDARD SLEEVE DETAIL



ELEVATION

POST DETAIL

SECTION W-W

Backup Plate
10 x 25 mm Min
tight fit

Backup Plate

SECTION S-S

ALTERNATE TUBE
WELDED SPLICE

GENERAL NOTES

- 1) All structural steel shall be galvanized after fabrication.
- 2) Anchor bolts may be tack welded (shop or field) to anchorage.
- 3) All rough edges on posts and rails shall be ground smooth.
- 4) Tubing shall be bent or fabricated to fit horizontal curve when radius is less than 273 meters.
- 5) After installation of rail, the exposed rail bolt threads shall be painted with two coats of zinc rich paint conforming to the requirement of section 75-1.05 galvanizing of The Standard Specifications.
- 6) The alternative welded splice may be used in lieu of The Standard Splice.
- 7) Each rail length shall be continuous over a minimum of two posts.
- 8) The contractor shall check that the tubular sleeves splices conform to the dimensions indicated to assure proper clearance.
- 9) Except for expansion splices, not more than one splice shall be permitted per same side of post.
- 10) See project plans for approach guardrail details.



DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET TOTAL NO. SHEETS

July 1, 2004
 PLANS APPROVAL DATE
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REGISTERED CIVIL ENGINEER
 NAMED ABOLIN
 No. C48719
 Exp. 9-30-04
 CIVIL
 STATE OF CALIFORNIA

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
CALIFORNIA ST-10
BRIDGE RAIL
(SHEET 2 OF 3)

NO SCALE
 ALL DIMENSIONS ARE IN
 MILLIMETERS UNLESS OTHERWISE SHOWN

B11-69